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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,572	12/12/2001	Roland E. Williams	P-2183/ZI0105	5712

7590 07/09/2004

LAW OFFICES OF JAMES D. IVEY  
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Oakland, CA 94611-1742

EXAMINER
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LIANG, REGINA

ART UNIT	PAPER NUMBER
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2674

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DATE MAILED: 07/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/020,572

Applicant(s)

WILLIAMS, ROLAND E.

Examiner

Regina Liang

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 24 May 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 9-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 9-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

#### ***Claim Rejections - 35 USC § 102***

2. Claims 9, 10, 12, 13, 16, 17, 19, 20, 23, 24, 26, 27 are rejected under 35 U.S.C. 102(e) as being anticipated by Hoeksma (US. PAT. NO. 6,271,835).

As to claims 9, 16, 23, Fig. 2 of Hoeksma discloses an input device comprising detecting a first type of actuation of the key (in Fig. 2, press a key 223 in upper left hand figure), in response to the detecting of the first type of actuation, displaying a representation of the two or more symbols (characters M, N, O, P, Q and R are displayed in upper right hand figure of Fig. 2), detecting a second type of actuation of the key (press the key 223 again), and selecting a selected one of the two or more symbols in accordance with the second type of actuation (character O is selected).

As to claims 10, 17, 24, the first type of actuation includes pressing the key.

As to claims 12, 13, 19, 20, 26, 27, the key is a virtual key realized in a touch-sensitive device which including a touch-sensitive screen and the first type of actuation includes touching the virtual key within the touch sensitive device.

#### ***Claim Rejections - 35 USC § 103***

3. Claims 9-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hirshberg (US. PAT. NO. 6,597,345) in view of King et al (US. PAT. NO. 6,011,554 hereinafter King).

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As to claims 9, 16, 23, Hirshberg discloses an input device comprising detecting a first type of actuation of the key (touch a key), detecting a second type of actuation of the key (move/tilt up, down, left or right when touch the key), and selecting a selected one of the two or more symbols in accordance with the second type of actuation (col. 5, lines 31-51 for example). Hirshberg does not disclose displaying a representation of the two or more symbols in response to the detecting of the first type of actuation. However, King teaches a display screen 53 displaying a representation of the two or more symbols in the selection list 76 in response to the detecting of the user pressing a key (the first type of actuation, see Fig. 8A, and col. 22, lines 38). Thus it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Hirshberg to display a representation of the two or more symbols in response to the detecting of the first type of actuation as taught by King such that the multiple symbols are provided to the user in the selection list of the display thereby maximizes the efficiency and accuracy of text entry.

As to claims 10, 17, 24, Hirshberg teaches the first type of actuation includes pressing the key ((col. 5, lines 53-55).

As to claims 11, 18, 25, Hirshberg teaches the second type of actuation includes rocking (tilt) the key (44-50).

As to claims 12, 13, 19, 20, 26, 27, Hirshberg teaches the key is a virtual key realized in a touch sensitive device which including a touch sensitive screen (col. 5, lines 31-34).

As to claims 14, 21, 28, Hirshberg teaches the second type of actuation is a sliding (moving) along the touch sensitive device.

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As to claims 15, 22, 29, Hirshberg teaches moving (navigating) through the characters according to the second type of actuation of the key.

*Response to Arguments*

4. Applicant's arguments with respect to claims 9-29 have been considered but are moot in view of the new ground(s) of rejection.

*Conclusion*

5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).


A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Regina Liang whose telephone number is (703) 305-4719. The examiner can normally be reached on Monday-Friday from 9AM to 5:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (703) 305-4709. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

  
REGINA LIANG  
PRIMARY EXAMINER  
ART UNIT 2674

RL  
7/1/04